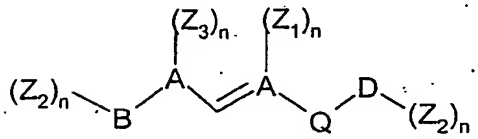
We Claim:

1. A method of achieving an immunomodulatory effect, achieving an antineoplastic effect, or inhibiting hyperproliferative cell growth in a patient in need thereof, comprising administering to said patient an effective amount of a compound formulae I to XVII or a pharmaceutically acceptable salt thereof



(I)

wherein,

B is a phenyl ring,

D is a phenyl ring or a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

A is, in each case independently of each other, a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

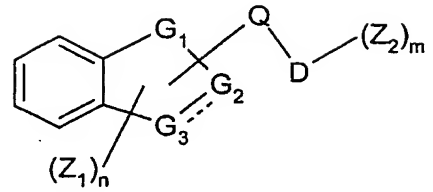
Q is a bond or an alkylene or alkenylene group containing 1-5 carbon atoms, which is optionally substituted with =O, and in which optionally a carbon atom is replaced with an N atom,

Z_1 is, in each case independently, $-NH_2$, =O, =NH, or =N-phenyl, -phenyl, or alkyl containing 1 to 5 carbon atoms,

Z_2 is, in each case independently, -OH, halogen, alkyl containing 1-5 carbon atoms, which is optionally substituted with halogen, and/or substituted with =O and/or -OH, and in which one C atom is optionally replaced with and O atom,

Z_3 is, in each case independently, alkyl containing 1-5 carbon atoms, and

n is, in each case independently, 0, 1, 2, or 3;



(II)

wherein,

G_1, G_2, and G_3 are, in each case independently, C, O, S, or N,

D is a phenyl ring or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

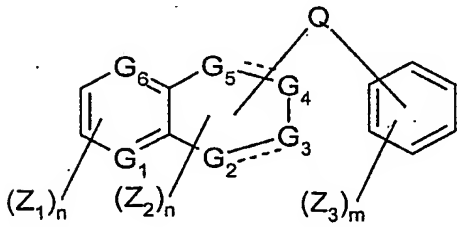
Q is a straight chain or branched alkylene or alkenylene group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N or S atom,

Z_1 is, in each case independently, =O, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH,

Z_2 is, in each case independently, =O, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH,

n is 0, 1, or 2, and

m is 0, or 1;



(III)

wherein,

G_1, G_2, G_3, G_4, G_5 and G_6 are, in each case independently, C, O, S, or N, such that four or five of G_1, G_2, G_3, G_4, G_5 and G_6 are C atoms and the remaining G_1, G_2, G_3, G_4, G_5 and G_6 are O, S, or N,

Q is a bond or a straight chain or branched alkylene or alkenylene group containing 1-10 carbon atoms which is optionally substituted with =O in one or two places, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N or O

atom, and in which optionally a carbon atom is replaced with a 6-membered heterocyclic group containing 1 or 2 nitrogen atoms when the alkylene or alkenylene group is a straight chain group,

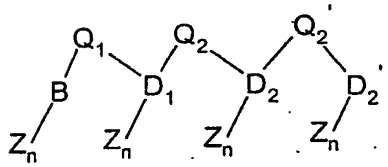
Z_1 is, in each case independently, -OH, halogen, or an alkyl group containing 1-5 carbon atoms,

Z_2 is, in each case independently, =O, halogen, or an alkyl group containing 1-10 carbon atoms which is optionally substituted with =O in one or two places and/or -OH; and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N and/or S atom,

Z_3 is, in each case independently, -OH, halogen, $-NO_2$, an alkyl group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with =O in one or two places, or is -O-phenyl, wherein the phenyl group in the -O-phenyl is optionally substituted with an $-NO_2$ group,

n is 0, 1, or 2, and

m is 0, 1, 2, or 3;



(IV)

wherein,

B is a phenyl ring,

D_1 is a phenylene ring or a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

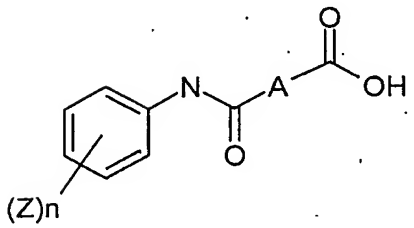
D_2 and D_2' are, each independently of each other, absent or a phenyl or phenylene ring or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

Q_1 is a bond or a branched or straight chain alkylene or alkenylene group containing 1-10 carbon atoms, which is optionally substituted with 1 to 5 =O and/or OH groups, in which optionally 1, 2, or 3 carbon atoms are, in each case independently, replaced with an N, O or S atom, wherein S is optionally substituted with 1 or 2 =O groups,

Q_2 and Q_2' are, each independently of each other, a bond or a branched or straight chain alkylene group containing 1-5 carbon atoms, which is optionally substituted with an =O group, in which optionally a carbon atom is replaced with an N, S, or O atom, wherein Q_2 is absent when D_2 is absent and Q_2' is absent when D_2' is absent,

Z is, in each case independently, =O, =S, -OH, $-NH_2$, $-NO_2$, -C N, $-SO_3H$, is halogen, or a straight chain or branched alkyl or alkenyl group containing 1 to 10, which is optionally substituted with 1 to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an N, O or S atom, or is a cyclic alkyl group containing 3 carbon atoms,

n is, in each case independently, 0, 1, 2, 3, 4 or 5;



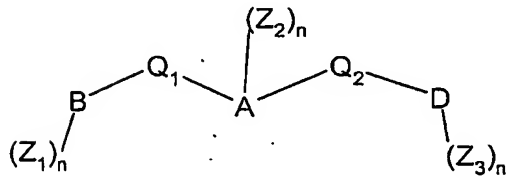
(V)

wherein,

Z is, in each case independently, $-NO_2$, an alkyl containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with an =O group,

A is a straight chain alkylene group containing 1 to 5 carbon atoms, and

n is 1, 2 or 3;



(VI)

wherein,

B is a phenyl ring,

D is absent, or is a phenyl ring or a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

A is a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, 3 or 4 heteroatoms selected from O, S, and N,

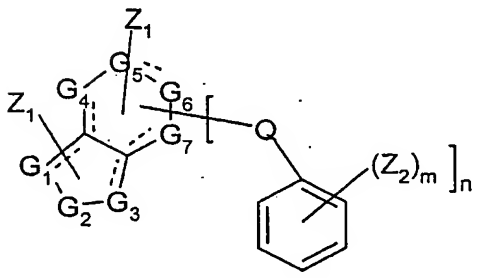
Q_1 and Q_2 are, in each case independently of each other, a bond or a straight chain or branched alkylene group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O, N or S atom, and in which optionally 1 or 2 -C- groups are replaced with -C= or =C- groups, and which is optionally substituted with an =O group, wherein Q_2 is absent when D is absent,

Z_1 is, in each case independently, $-NO_2$, -OH, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with and N, S or O atom,

Z_2 is, in each case independently, $-NH_2$, -OH, =NH, =O, =S, phenyl, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an S atom,

Z_3 is, in each case independently, =O, -OH, NO_2, NH_2, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an O atom, and

n is, in each case independently, 0, 1, 2 or 3;



(VII)

wherein,

G_1 to G_7 are, in each case independently, C, O, S, or N, wherein at least 3 of G_1 to G_7 are C atoms,

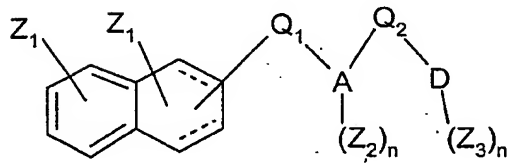
Z_1 is, in each case independently, absent, or =O, =NH or an alkyl group containing 1 to 5 carbon atoms,

Z_2 is, in each case independently, a straight chain or branched alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with 1 or 2 =O and/or -OH groups,

Q is, in each case independently, a bond or an alkylene group containing 1-5 carbon atoms, which is optionally substituted with =O, in which optionally 1, 2, or 3 carbon atoms are, in each case independently, replaced with an N or S atom, wherein S is optionally substituted with 1 or 2 =O groups, and

n is 0, 1 or 2, and

m is 1 or 2;



(VIII)

wherein,

A is a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N, or is a C_{10} aromatic bi-cyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

D is absent or is a fully or partially saturated or unsaturated cyclic ring containing 6 or 7 carbon atoms,

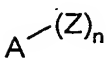
Q_1 and Q_2 are, each independently of each other, a bond or a straight chain or branched alkylene group containing 1-10 carbon atoms, which is optionally substituted with an =O group, and in which optionally 1, 2 or 3 carbon atoms, independently of each other, are replaced with an N or O atom, and wherein optionally 1-3 carbon atoms are replaced with a -C= and/or =C-, and/or when the alkylene group is straight chain with a phenyl group, wherein Q_2 is absent when D is absent,

Z_1 is, in each case independently, absent or an alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an -O- group, and which is optionally substituted with one or two =O or -OH groups,

Z_2 is, in each case independently, =O or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O in one or two places and/or -OH,

Z_3 is halogen, or an alkyl group containing 1 to 5 carbon atoms, which is optionally halogenated, and

n is 1 or 2;



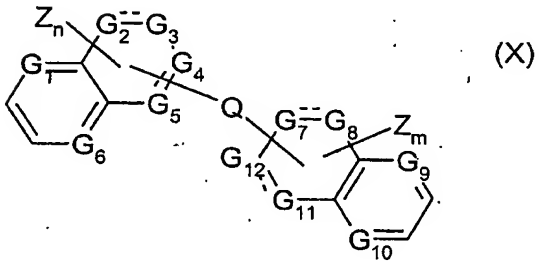
(IX)

wherein,

A is a 5- or 6- membered saturated or partially or fully unsaturated heterocyclic ring containing 2 or 3 heteroatoms selected from S and N,

Z is, in each case independently, a straight chain or branched alkyl group containing 3-5 carbon atoms, which is substituted with =O and/or OH groups, and in which a carbon atom is replaced with an S atom, and

n is 1, 2, or 3;



(X)

wherein,

G_1 to G_{12} are, each independently of each other, C, N, S or O,

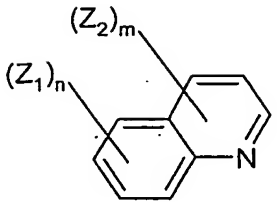
Z is, in each case independently, an alkyl containing 1 to 5 carbon atoms, which is optionally substituted with 1 to 2 =O and/or -OH groups,

Q is a bond or an alkylene group containing 1 to 5 carbon atoms,

m 0, 1, 2 or 3,

n 0, 1, 2 or 3, such that

m+n 1;



(XI)

wherein,

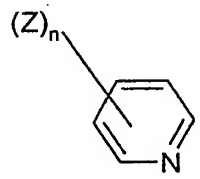
Z_1 is, in each case independently, halogen, $-NO_2$ or -OH,

Z_2 is, in each case independently, an alkyl group containing 1-5 carbon atoms, which is optionally substituted with an =O and/or -OH group, and in which optionally a carbon atom is replaced with an S atom,

n is 0, 1, 2, or 3,

m is 0, 1, 2, or 3, and

n + m is 3 or more;

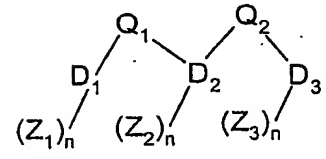


(XII)

wherein,

Z is, in each case independently, -C N, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with halogen, and/or is substituted with one or more =O and/or -OH groups, and in which optionally a carbon atom is replaced with an S atom, and

n is 2, 3, 4 or 5;



(XIII)

wherein,

D_1 is a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

D_2 is a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N, or is optionally a phenylene group when D_3 is present,

D_3 is absent or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

Q_1 is -O-, or a straight chain alkylene group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an N, O or S atom, and which is optionally substituted with an =O atom,

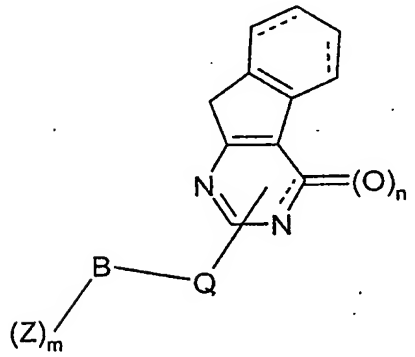
Q_2 is absent when D_3 is absent or is a bond or an -O- group,

Z_1 is, in each case independently, =O or halogen,

Z_2 is, in each case independently, =O, -C N, -COOH, $-NO_2$ or halogen,

Z_3 is, in each case independently, halogen, and is absent when D_3 is absent, and

n is, in each case independently, 0, 1, 2, or 3;



(XIV)

wherein,

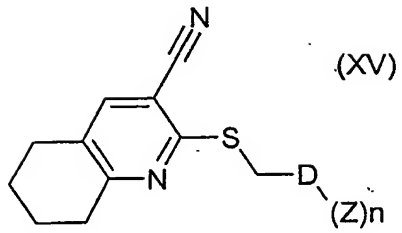
B is a phenylene group,

Q is a straight chain alkylene group containing 1-10 carbon atoms, in which optionally up to three carbon atoms are replaced with an N, O or S atom, and which is optionally substituted with 1 or 2 =O groups,

Z is, in each case independently, halogen, or an alkyl group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O atom,

n is 0 or 1, and

m is 1 or 2;



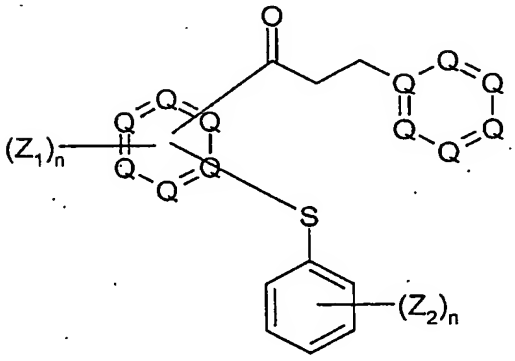
(XV)

wherein,

D is, a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

Z is =O

n is 1, or 2;



(XVI)

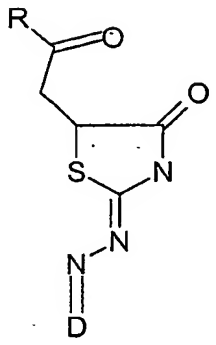
wherein,

Q is, each independently, C or N, wherein,

Z_1 is a phenyl group, or 2 of Z_1 together form with the Q atoms to which they are bound a 6-membered aromatic ring containing only C atoms;

Z_2 is halogen, preferably Cl, and

n is 1, or 2;



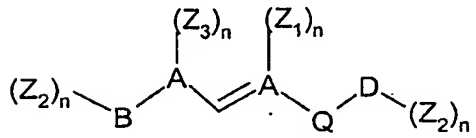
(XVII)

wherein,

D is, a carbocyclic group containing 8 to 10 carbon atoms, and

R is -OH or an alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an N or O atom or with a phenyl group, and which is optionally substituted with 1 to 2 =O and/or -OH groups.

2. A method of modulating the binding of a $p56^{lck}$ molecule via an SH2 domain thereof to a corresponding cellular binding protein, or modulating the activity of a $p56^{lck}$ molecule via an SH2 domain thereof, comprising administering a compound of formula I to XVII or a pharmaceutically acceptable salt thereof



(I)

wherein,

B is a phenyl ring,

D is a phenyl ring or a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

A is, in each case independently of each other, a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

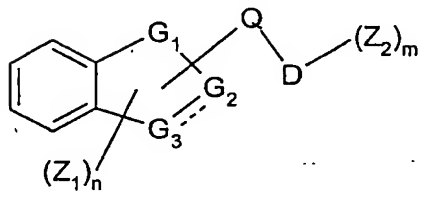
Q is a bond or an alkylene or alkenylene group containing 1-5 carbon atoms, which is optionally substituted with =O, and in which optionally a carbon atom is replaced with an N atom,

Z_1 is, in each case independently, $-NH_2$, =O, =NH, or =N-phenyl, -phenyl, or alkyl containing 1 to 5 carbon atoms,

Z_2 is, in each case independently, -OH, halogen, alkyl containing 1-5 carbon atoms, which is optionally substituted with halogen, and/or substituted with =O and/or -OH, and in which one C atom is optionally replaced with and O atom,

Z_3 is, in each case independently, alkyl containing 1-5 carbon atoms, and

n is, in each case independently, 0, 1, 2, or 3;



(II)

wherein,

G_1, G_2, and G_3 are, in each case independently, C, O, S, or N,

D is a phenyl ring or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

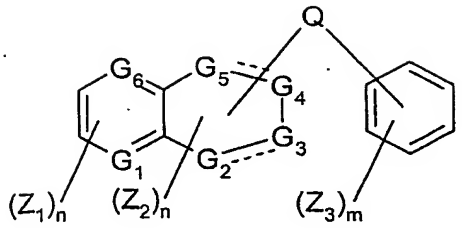
Q is a straight chain or branched alkylene or alkenylene group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N or S atom,

Z_1 is, in each case independently, =O, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH,

Z_2 is, in each case independently, =O, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH,

n is 0, 1, or 2, and

m is 0, or 1;



(III)

wherein,

G_1, G_2, G_3, G_4, G_5 and G_6 are, in each case independently, C, O, S, or N, such that four or five of G_1, G_2, G_3, G_4, G_5 and G_6 are C atoms and the remaining G_1, G_2, G_3, G_4, G_5 and G_6 are O, S, or N,

Q is a bond or a straight chain or branched alkylene or alkenylene group containing 1-10 carbon atoms which is optionally substituted with =O in one or two places, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N or O atom, and in which optionally a carbon atom is replaced with a 6-membered heterocyclic group containing 1 or 2 nitrogen atoms when the alkylene or alkenylene group is a straight chain group,

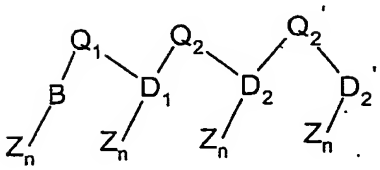
Z_1 is, in each case independently, -OH, halogen, or an alkyl group containing 1-5 carbon atoms,

Z_2 is, in each case independently, =O, halogen, or an alkyl group containing 1-10 carbon atoms which is optionally substituted with =O in one or two places and/or -OH, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N and/or S atom,

Z_3 is, in each case independently, -OH, halogen, $-NO_2$, an alkyl group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with =O in one or two places, or is -O-phenyl, wherein the phenyl group in the -O-phenyl is optionally substituted with an $-NO_2$ group,

n is 0, 1, or 2, and

m is 0, 1, 2, or 3;



(IV)

wherein,

B is a phenyl ring,

D_1 is a phenylene ring or a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

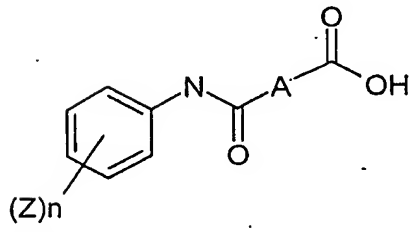
D_2 and D_2' are, each independently of each other, absent or a phenyl or phenylene ring or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

Q_1 is a bond or a branched or straight chain alkylene or alkenylene group containing 1-10 carbon atoms, which is optionally substituted with 1 to 5 =O and/or OH groups, in which optionally 1, 2, or 3 carbon atoms are, in each case independently, replaced with an N, O or S atom, wherein S is optionally substituted with 1 or 2 =O groups,

Q_2 and Q_2' are, each independently of each other, a bond or a branched or straight chain alkylene group containing 1-5 carbon atoms, which is optionally substituted with an =O group, in which optionally a carbon atom is replaced with an N, S, or O atom, wherein Q_2 is absent when D_2 is absent and Q_2' is absent when D_2' is absent,

Z is, in each case independently, =O, =S, -OH, $-NH_2$, $-NO_2$, -C N, $-SO_3H$, is halogen, or a straight chain or branched alkyl or alkenyl group containing 1 to 10, which is optionally substituted with 1 to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an N, O or S atom, or is a cyclic alkyl group containing 3 carbon atoms,

n is, in each case independently, 0, 1, 2, 3, 4 or 5;



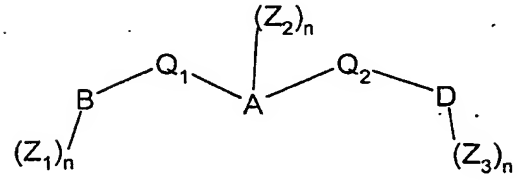
(V)

wherein,

Z is, in each case independently, $-NO_2$, an alkyl containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with an =O group,

A is a straight chain alkylene group containing 1 to 5 carbon atoms, and

n is 1, 2 or 3;



(VI)

wherein,

B is a phenyl ring,

D is absent, or is a phenyl ring or a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

A is a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, 3 or 4 heteroatoms selected from O, S, and N,

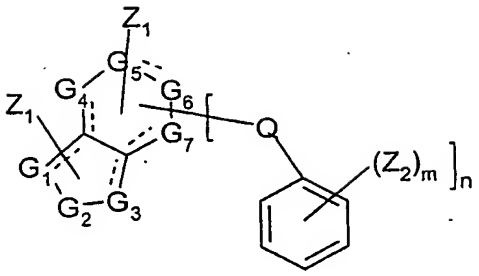
Q_1 and Q_2 are, in each case independently of each other, a bond or a straight chain or branched alkylene group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O, N or S atom, and in which optionally 1 or 2 -C- groups are replaced with -C= or =C- groups, and which is optionally substituted with an =O group, wherein Q_2 is absent when D is absent,

Z_1 is, in each case independently, $-NO_2$, -OH, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with and N, S or O atom,

Z_2 is, in each case independently, $-NH_2$, -OH, =NH, =O, =S, phenyl, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an S atom,

Z_3 is, in each case independently, =O, -OH, NO_2, NH_2, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an O atom, and

n is, in each case independently, 0, 1, 2 or 3;



(VII)

wherein,

G_1 to G_7 are, in each case independently, C, O, S, or N, wherein at least 3 of G_1 to G_7 are C atoms,

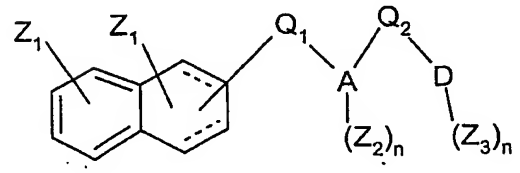
Z_1 is, in each case independently, absent, or =O, =NH or an alkyl group containing 1 to 5 carbon atoms,

Z_2 is, in each case independently, a straight chain or branched alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with 1 or 2 =O and/or -OH groups,

Q is, in each case independently, a bond or an alkylene group containing 1-5 carbon atoms, which is optionally substituted with =O, in which optionally 1, 2, or 3 carbon atoms are, in each case independently, replaced with an N or S atom, wherein S is optionally substituted with 1 or 2 =O groups, and

n is 0, 1 or 2, and

m is 1 or 2;



(VIII)

wherein,

A is a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N, or is a C_{10} aromatic bi-cyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

D is absent or is a fully or partially saturated or unsaturated cyclic ring containing 6 or 7 carbon atoms,

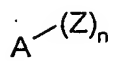
Q_1 and Q_2 are, each independently of each other, a bond or a straight chain or branched alkylene group containing 1-10 carbon atoms, which is optionally substituted with an =O group, and in which optionally 1, 2 or 3 carbon atoms, independently of each other, are replaced with an N or O atom, and wherein optionally 1-3 carbon atoms are replaced with a -C= and/or =C-, and/or when the alkylene group is straight chain with a phenyl group, wherein Q_2 is absent when D is absent,

Z_1 is, in each case independently, absent or an alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an -O- group, and which is optionally substituted with one or two =O or -OH groups,

Z_2 is, in each case independently, =O or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O in one or two places and/or -OH,

Z_3 is halogen, or an alkyl group containing 1 to 5 carbon atoms, which is optionally halogenated, and

n is 1 or 2;



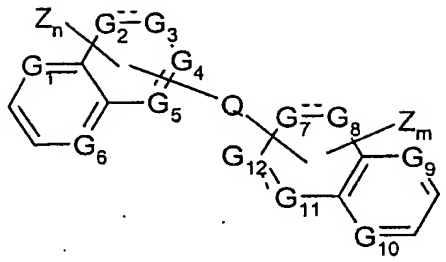
(IX)

wherein,

A is a 5- or 6- membered saturated or partially or fully unsaturated heterocyclic ring containing 2 or 3 heteroatoms selected from S and N,

Z is, in each case independently, a straight chain or branched alkyl group containing 3-5 carbon atoms, which is substituted with =O and/or OH groups, and in which a carbon atom is replaced with an S atom, and

n is 1, 2, or 3;



(X)

wherein,

G_1 to G_{12} are, each independently of each other, C, N, S or O,

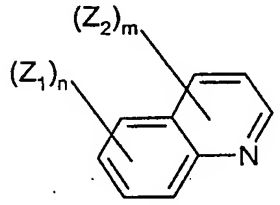
Z is, in each case independently, an alkyl containing 1 to 5 carbon atoms, which is optionally substituted with 1 to 2 =O and/or -OH groups,

Q is a bond or an alkylene group containing 1 to 5 carbon atoms,

m 0, 1, 2 or 3,

n 0, 1, 2 or 3, such that

m+n 1;



(XI)

wherein,

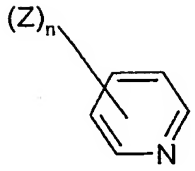
Z_1 is, in each case independently, halogen, $-NO_2$ or -OH,

Z_2 is, in each case independently, an alkyl group containing 1-5 carbon atoms, which is optionally substituted with an =O and/or -OH group, and in which optionally a carbon atom is replaced with an S atom,

n is 0, 1, 2, or 3,

m is 0, 1, 2, or 3, and

n + m is 3 or more;

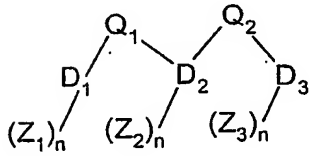


(XII)

wherein,

Z is, in each case independently, -C N, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with halogen, and/or is substituted with one or more =O and/or -OH groups, and in which optionally a carbon atom is replaced with an S atom, and

n is 2, 3, 4 or 5;



(XIII)

wherein,

D_1 is a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

D_2 is a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N, or is optionally a phenylene group when D_3 is present,

D_3 is absent or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

Q_1 is -O-, or a straight chain alkylene group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an N, O or S atom, and which is optionally substituted with an =O atom,

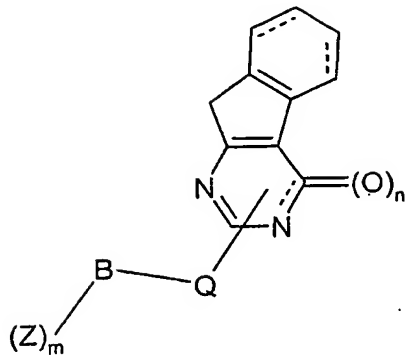
Q_2 is absent when D_3 is absent or is a bond or an -O- group,

Z_1 is, in each case independently, =O or halogen,

Z_2 is, in each case independently, =O, -C N, -COOH, $-NO_2$ or halogen,

Z_3 is, in each case independently, halogen, and is absent when D_3 is absent, and

n is, in each case independently, 0, 1, 2, or 3;



wherein,

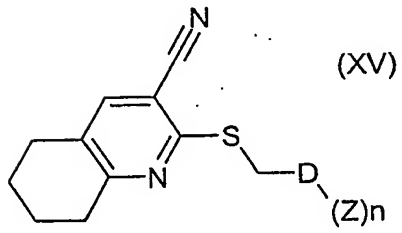
B is a phenylene group,

Q is a straight chain alkylene group containing 1-10 carbon atoms, in which optionally up to three carbon atoms are replaced with an N, O or S atom, and which is optionally substituted with 1 or 2 =O groups,

Z is, in each case independently, halogen, or an alkyl group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O atom,

n is 0 or 1, and

m is 1 or 2;

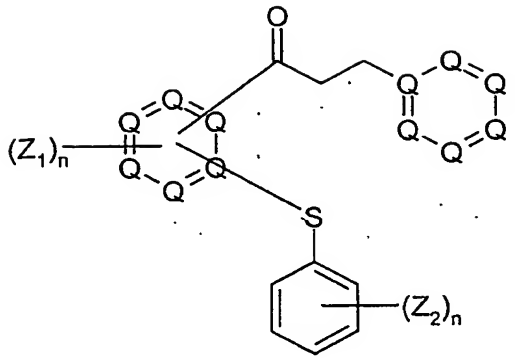


wherein,

D is, a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

Z is =O

n is 1, or 2;



(XVI)

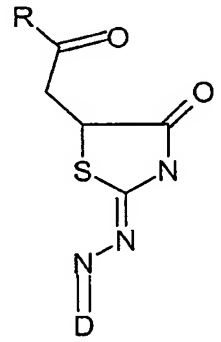
wherein,

Q is, each independently, C or N, wherein,

Z_1 is a phenyl group, or 2 of Z_1 together form with the Q atoms to which they are bound a 6-membered aromatic ring containing only C atoms,

Z_2 is halogen, preferably Cl, and

n is 1, or 2;



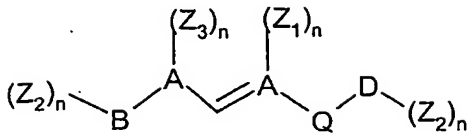
(XVII)

wherein,

D is, a carbocyclic group containing 8 to 10 carbon atoms, and

R is -OH or an alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an N or O atom or with a phenyl group, and which is optionally substituted with 1 to 2 =O and/or -OH groups.

3. A pharmaceutical composition comprising a compound of formula I to XVII or a pharmaceutically acceptable salt thereof



(I)

wherein,

B is a phenyl ring,

D is a phenyl ring or a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

A is, in each case independently of each other, a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

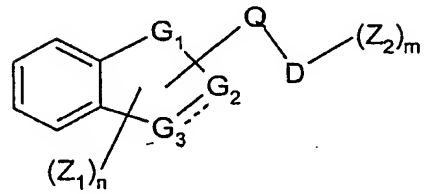
Q is a bond or an alkylene or alkenylene group containing 1-5 carbon atoms, which is optionally substituted with =O, and in which optionally a carbon atom is replaced with an N atom,

Z_1 is, in each case independently, $-NH_2$, =O, =NH, or =N-phenyl, -phenyl, or alkyl containing 1 to 5 carbon atoms,

Z_2 is, in each case independently, -OH, halogen, alkyl containing 1-5 carbon atoms, which is optionally substituted with halogen, and/or substituted with =O and/or -OH, and in which one C atom is optionally replaced with and O atom,

Z_3 is, in each case independently, alkyl containing 1-5 carbon atoms, and

n is, in each case independently, 0, 1, 2, or 3;



(II)

wherein,

G_1, G_2, and G_3 are, in each case independently, C, O, S, or N,

D is a phenyl ring or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

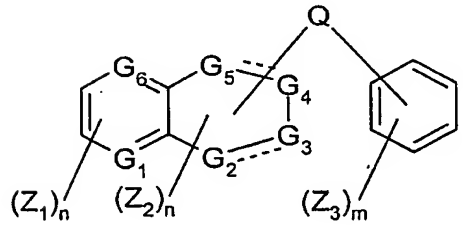
Q is a straight chain or branched alkylene or alkenylene group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N or S atom,

Z_1 is, in each case independently, =O, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH,

Z_2 is, in each case independently, =O, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O and/or -OH,

n is 0, 1, or 2, and

m is 0, or 1;



(III)

wherein,

G_1, G_2, G_3, G_4, G_5 and G_6 are, in each case independently, C, O, S, or N, such that four or five of G_1, G_2, G_3, G_4, G_5 and G_6 are C atoms and the remaining G_1, G_2, G_3, G_4, G_5 and G_6 are O, S, or N,

Q is a bond or a straight chain or branched alkylene or alkenylene group containing 1-10 carbon atoms which is optionally substituted with =O in one or two places, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N or O atom, and in which optionally a carbon atom is replaced with a 6-membered heterocyclic group containing 1 or 2 nitrogen atoms when the alkylene or alkenylene group is a straight chain group,

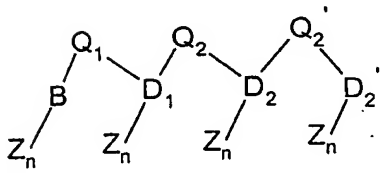
Z_1 is, in each case independently, -OH, halogen, or an alkyl group containing 1-5 carbon atoms,

Z_2 is, in each case independently, =O, halogen, or an alkyl group containing 1-10 carbon atoms which is optionally substituted with =O in one or two places and/or -OH, and in which optionally 1 or 2 carbon atoms, independently of each other, are replaced with an N and/or S atom,

Z_3 is, in each case independently, -OH, halogen, $-NO_2$, an alkyl group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with =O in one or two places, or is -O-phenyl, wherein the phenyl group in the -O-phenyl is optionally substituted with an $-NO_2$ group,

n is 0, 1, or 2, and

m is 0, 1, 2, or 3;



(IV)

wherein,

B is a phenyl ring,

D_1 is a phenylene ring or a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

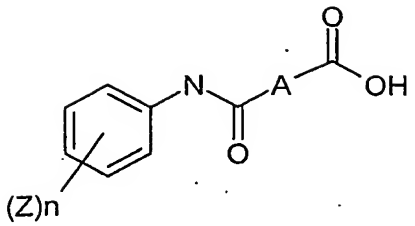
D_2 and D_2' are, each independently of each other, absent or a phenyl or phenylene ring or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

Q_1 is a bond or a branched or straight chain alkylene or alkenylene group containing 1-10 carbon atoms, which is optionally substituted with 1 to 5 =O and/or OH groups, in which optionally 1, 2, or 3 carbon atoms are, in each case independently, replaced with an N, O or S atom, wherein S is optionally substituted with 1 or 2 =O groups,

Q_2 and Q_2' are, each independently of each other, a bond or a branched or straight chain alkylene group containing 1-5 carbon atoms, which is optionally substituted with an =O group, in which optionally a carbon atom is replaced with an N, S, or O atom, wherein Q_2 is absent when D_2 is absent and Q_2' is absent when D_2' is absent,

Z is, in each case independently, =O, =S, -OH, $-NH_2$, $-NO_2$, -C N, $-SO_3H$, is halogen, or a straight chain or branched alkyl or alkenyl group containing 1 to 10, which is optionally substituted with 1 to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an N, O or S atom, or is a cyclic alkyl group containing 3 carbon atoms,

n is, in each case independently, 0, 1, 2, 3, 4 or 5;



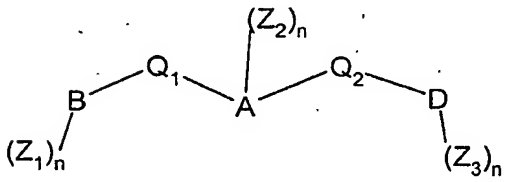
(V)

wherein,

Z is, in each case independently, $-NO_2$, an alkyl containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with an =O group,

A is a straight chain alkylene group containing 1 to 5 carbon atoms, and

n is 1, 2 or 3;



(VI)

wherein,

B is a phenyl ring,

D is absent, or is a phenyl ring or a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

A is a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, 3 or 4 heteroatoms selected from O, S, and N,

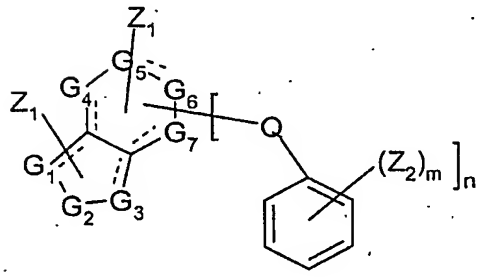
Q_1 and Q_2 are, in each case independently of each other, a bond or a straight chain or branched alkylene group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O, N or S atom, and in which optionally 1 or 2 -C- groups are replaced with -C= or =C- groups, and which is optionally substituted with an =O group, wherein Q_2 is absent when D is absent,

Z_1 is, in each case independently, $-NO_2$, -OH, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with and N, S or O atom,

Z_2 is, in each case independently, $-NH_2$, -OH, =NH, =O, =S, phenyl, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an S atom,

Z_3 is, in each case independently, =O, -OH, NO_2, NH_2, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with up to 3 =O and/or OH groups, and in which optionally a carbon atom is replaced with an O atom, and

n is, in each case independently, 0, 1, 2 or 3;



(VII)

wherein,

G_1 to G_7 are, in each case independently, C, O, S, or N, wherein at least 3 of G_1 to G_7 are C atoms,

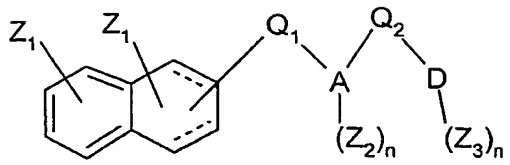
Z_1 is, in each case independently, absent, or =O, =NH or an alkyl group containing 1 to 5 carbon atoms,

Z_2 is, in each case independently, a straight chain or branched alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an O atom, and which is optionally substituted with 1 or 2 =O and/or -OH groups,

Q is, in each case independently, a bond or an alkylene group containing 1-5 carbon atoms, which is optionally substituted with =O, in which optionally 1, 2, or 3 carbon atoms are, in each case independently, replaced with an N or S atom, wherein S is optionally substituted with 1 or 2 =O groups, and

n is 0, 1 or 2, and

m is 1 or 2;



(VIII)

wherein,

A is a 5-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N, or is a C_{10} aromatic bi-cyclic ring containing 1, 2 or 3 heteroatoms selected from O, S, and N,

D is absent or is a fully or partially saturated or unsaturated cyclic ring containing 6 or 7 carbon atoms,

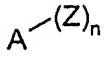
Q_1 and Q_2 are, each independently of each other, a bond or a straight chain or branched alkylene group containing 1-10 carbon atoms, which is optionally substituted with an =O group, and in which optionally 1, 2 or 3 carbon atoms, independently of each other, are replaced with an N or O atom, and wherein optionally 1-3 carbon atoms are replaced with a -C= and/or =C-, and/or when the alkylene group is straight chain with a phenyl group, wherein Q_2 is absent when D is absent,

Z_1 is, in each case independently, absent or an alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an -O- group, and which is optionally substituted with one or two =O or -OH groups,

Z_2 is, in each case independently, =O or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with =O in one or two places and/or -OH,

Z_3 is halogen, or an alkyl group containing 1 to 5 carbon atoms, which is optionally halogenated, and

n is 1 or 2;



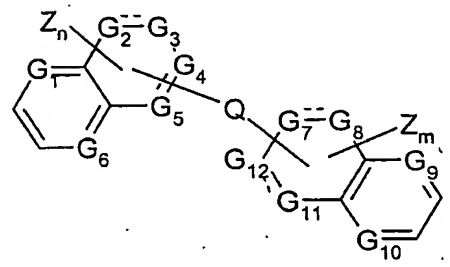
(IX)

wherein,

A is a 5- or 6- membered saturated or partially or fully unsaturated heterocyclic ring containing 2 or 3 heteroatoms selected from S and N,

Z is, in each case independently, a straight chain or branched alkyl group containing 3-5 carbon atoms, which is substituted with =O and/or OH groups, and in which a carbon atom is replaced with an S atom, and

n is 1, 2, or 3;



(X)

wherein,

G_1 to G_{12} are, each independently of each other, C, N, S or O,

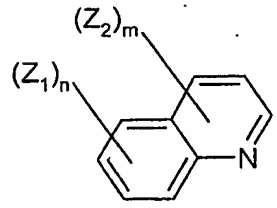
Z is, in each case independently, an alkyl containing 1 to 5 carbon atoms, which is optionally substituted with 1 to 2 =O and/or -OH groups,

Q is a bond or an alkylene group containing 1 to 5 carbon atoms,

m 0, 1, 2 or 3,

n 0, 1, 2 or 3, such that

m+n 1;



(XI)

wherein,

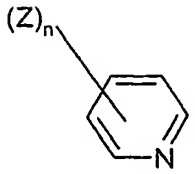
Z_1 is, in each case independently, halogen, $-NO_2$ or -OH,

Z_2 is, in each case independently, an alkyl group containing 1-5 carbon atoms, which is optionally substituted with an =O and/or -OH group, and in which optionally a carbon atom is replaced with an S atom,

n is 0, 1, 2, or 3,

m is 0, 1, 2, or 3, and

n + m is 3 or more;

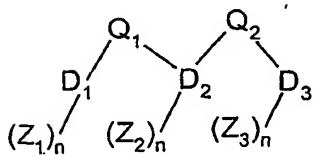


(XII)

wherein,

Z is, in each case independently, -C N, halogen, or an alkyl group containing 1-5 carbon atoms, which is optionally substituted with halogen, and/or is substituted with one or more =O and/or -OH groups, and in which optionally a carbon atom is replaced with an S atom, and

n is 2, 3, 4 or 5;



(XIII)

wherein,

D_1 is a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

D_2 is a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N, or is optionally a phenylene group when D_3 is present,

D_3 is absent or a 5- or 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

Q_1 is -O-, or a straight chain alkylene group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an N, O or S atom, and which is optionally substituted with an =O atom,

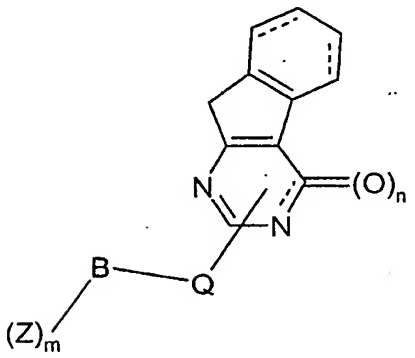
Q_2 is absent when D_3 is absent or is a bond or an -O- group,

Z_1 is, in each case independently, =O or halogen,

Z_2 is, in each case independently, =O, -C N, -COOH, $-NO_2$ or halogen,

Z_3 is, in each case independently, halogen, and is absent when D_3 is absent, and

n is, in each case independently, 0, 1, 2, or 3;



(XIV)

wherein,

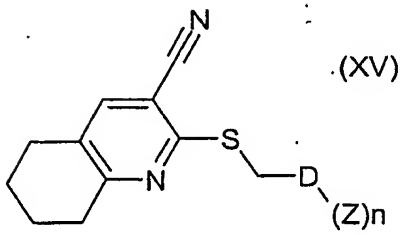
B is a phenylene group,

Q is a straight chain alkylene group containing 1-10 carbon atoms, in which optionally up to three carbon atoms are replaced with an N, O or S atom, and which is optionally substituted with 1 or 2 =O groups,

Z is, in each case independently, halogen, or an alkyl group containing 1-5 carbon atoms, in which optionally a carbon atom is replaced with an O atom,

n is 0 or 1, and

m is 1 or 2;



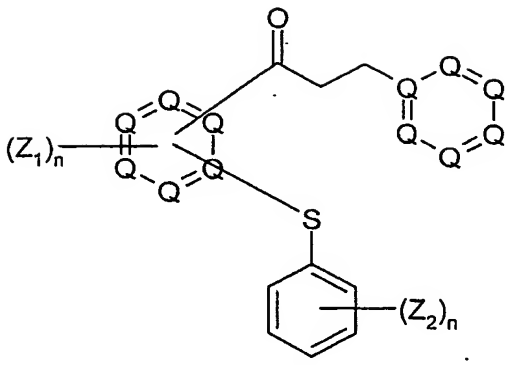
(XV)

wherein,

D is, a 6-membered saturated or partially or fully unsaturated heterocyclic ring containing 1, 2, or 3 heteroatoms selected from O, S, and N,

Z is =O

n is 1, or 2;



(XVI)

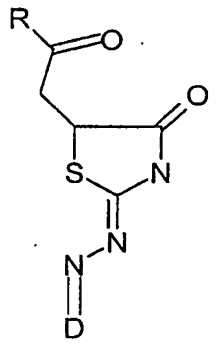
wherein,

Q is, each independently, C or N, wherein,

Z_1 is a phenyl group, or 2 of Z_1 together form with the Q atoms to which they are bound a 6-membered aromatic ring containing only C atoms,

Z_2 is halogen, preferably Cl, and

n is 1, or 2;



(XVII)

wherein,

D is, a carbocyclic group containing 8 to 10 carbon atoms, and

R is -OH or an alkyl group containing 1 to 5 carbon atoms, in which optionally a carbon atom is replaced with an N or O atom or with a phenyl group, and which is optionally substituted with 1 to 2 =O and/or -OH groups.

4. A method of claim 1, wherein immunosuppression is affected.

5. A method of claim 1, wherein said patient suffers from an autoimmune disease or from transplant rejection.

6. A method of claim 5, wherein said patient suffers from rheumatoid arthritis.

7. A method of claim 1, wherein said patient suffers from a neoplasm or a hyperplasia.

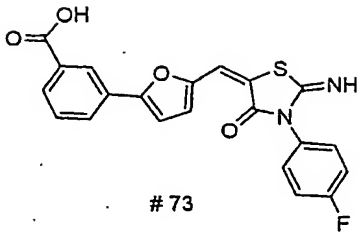
8. A method of claim 7, wherein said patient suffers from a benign or malignant tumor.

9. A method of claim 1, wherein said patient suffers from a depressed immune system.

10. A method of claim 1, wherein said patient suffers from leukemia, lymphoma, ovarian cancer and breast cancer.

11. A method of claim 1, wherein said patient is human.

12. A method of claim 1, wherein one of the following compounds or a pharmaceutically acceptable salt thereof is administered



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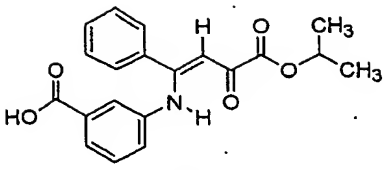

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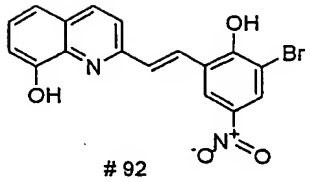

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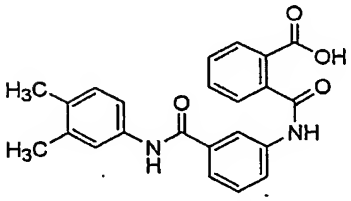

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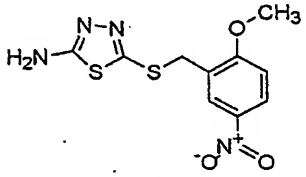

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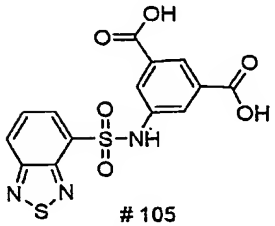

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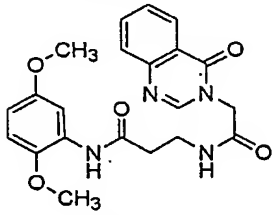

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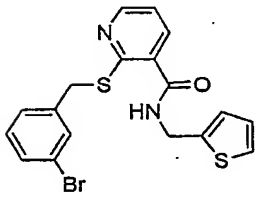

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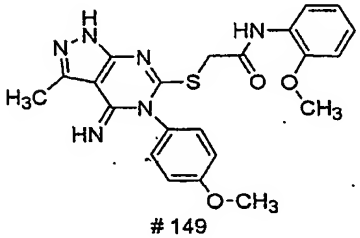

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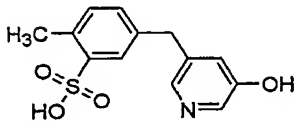

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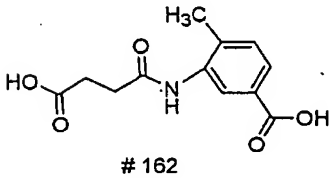

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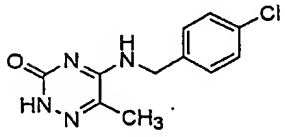

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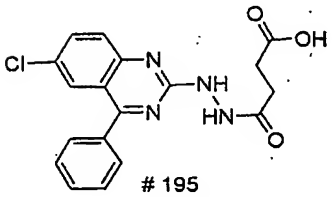

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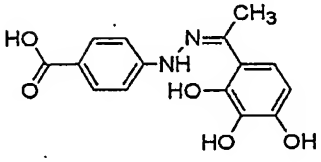

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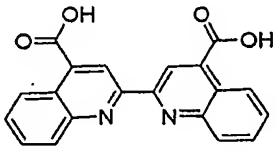

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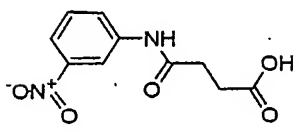

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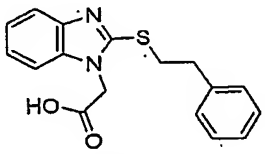

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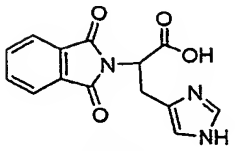

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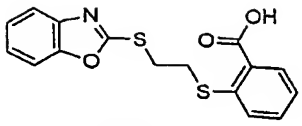

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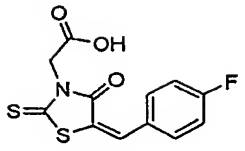

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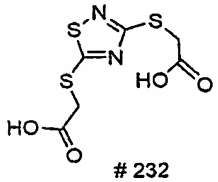

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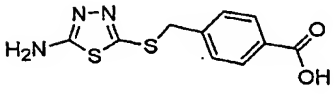

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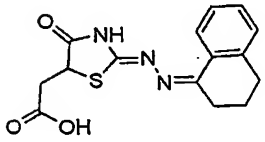

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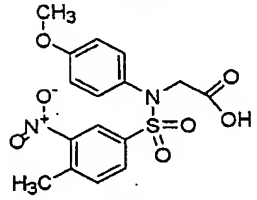

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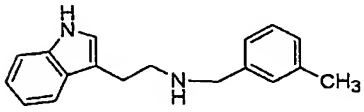

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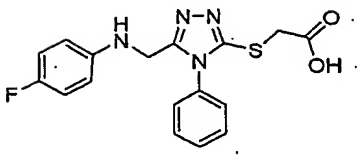

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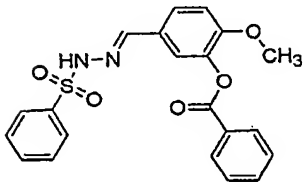

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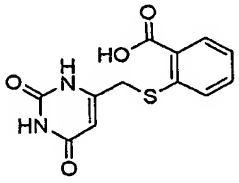

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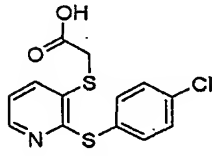

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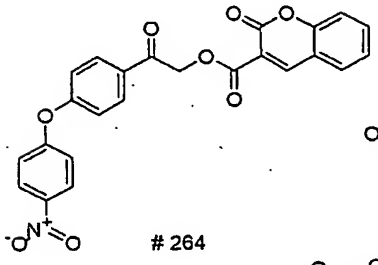

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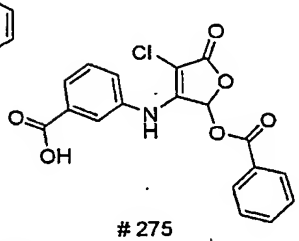

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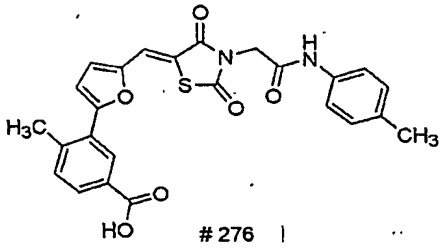

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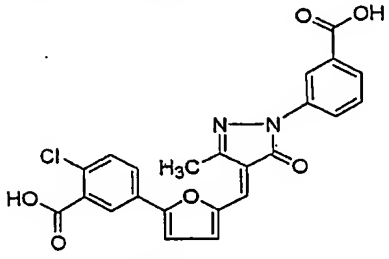

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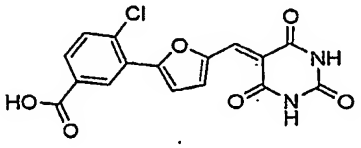
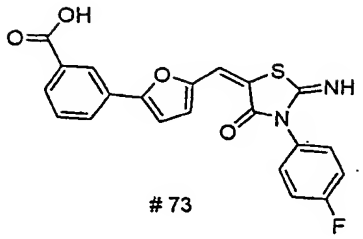


287

or

13. A method of claim 2, wherein one of the following compounds or a pharmaceutically acceptable salt thereof is administered



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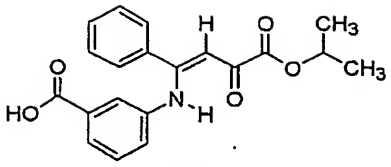

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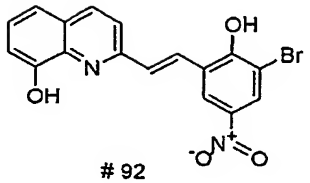

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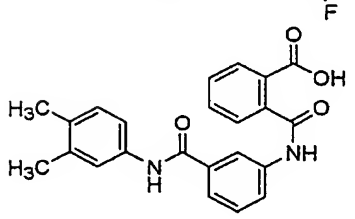

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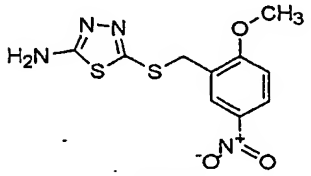

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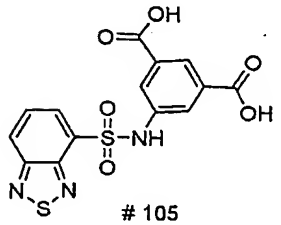

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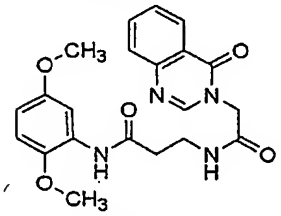

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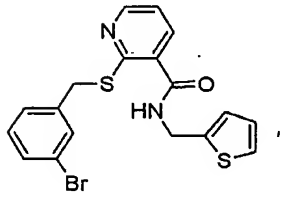

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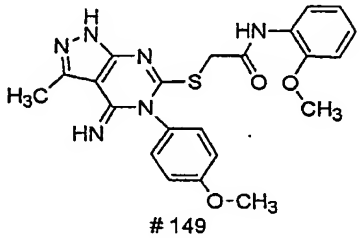

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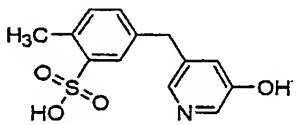

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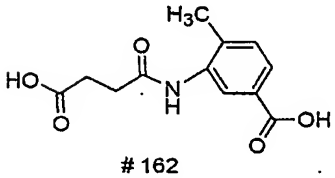

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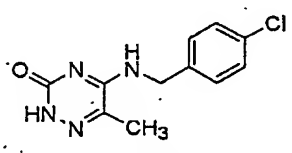

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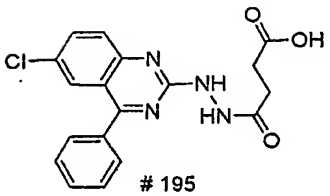

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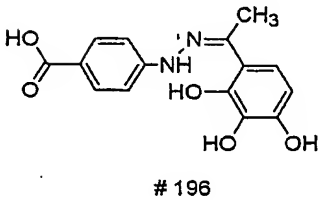

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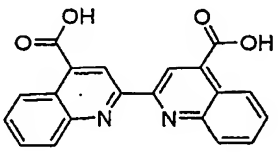

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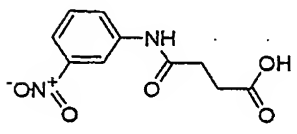

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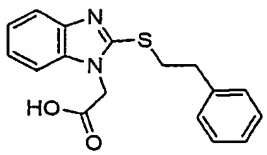

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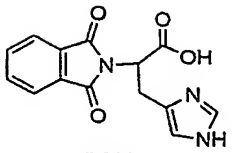

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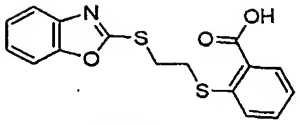

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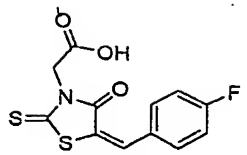

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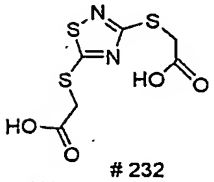

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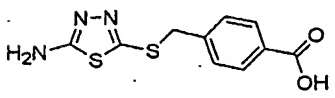

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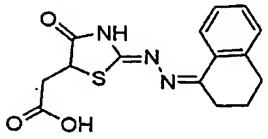

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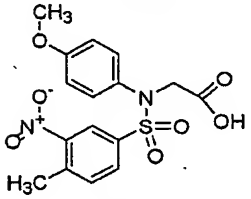

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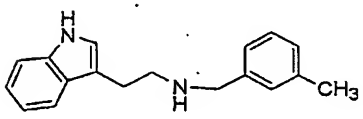

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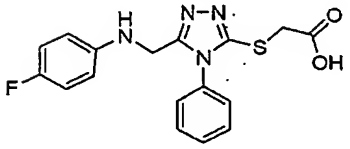

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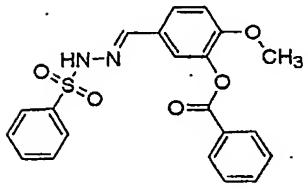

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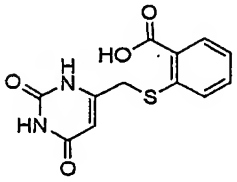

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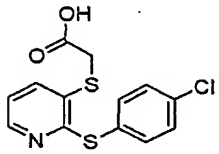

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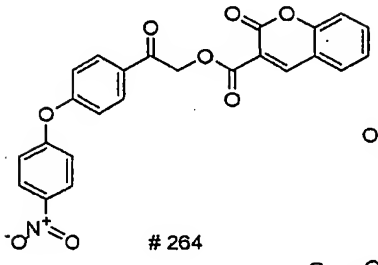

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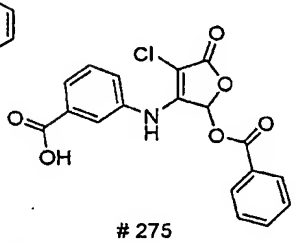

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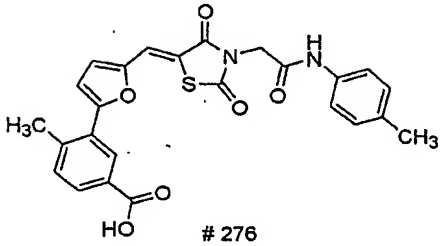

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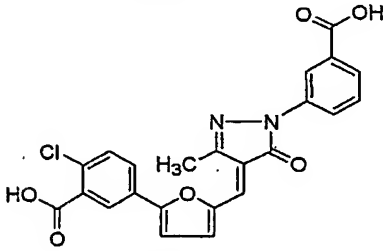

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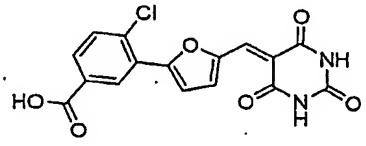

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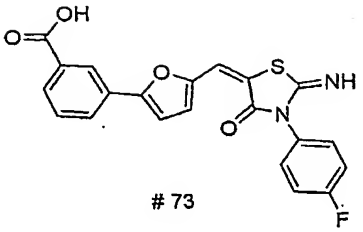
or

14. A pharmaceutical composition according to claim 3, comprising one of the following compounds or a pharmaceutically acceptable salt thereof



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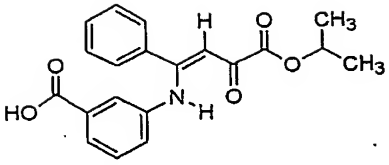

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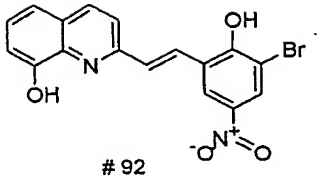

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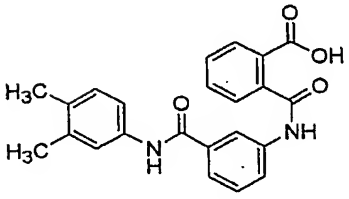

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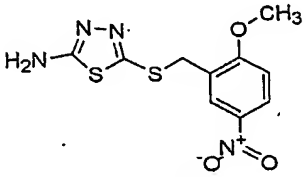

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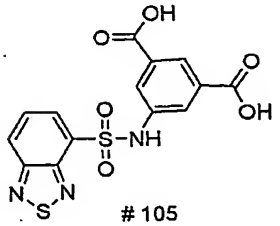

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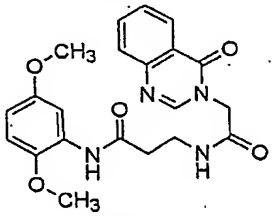

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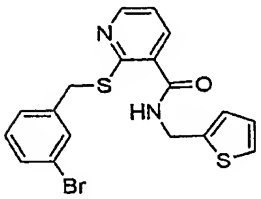

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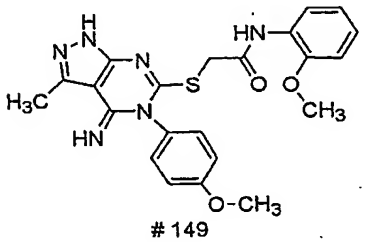

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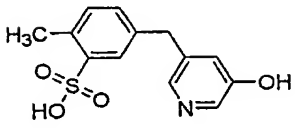

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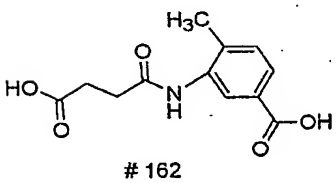

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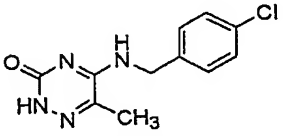

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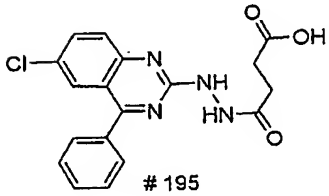

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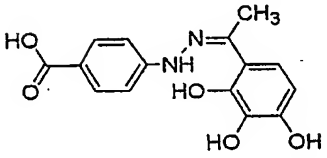

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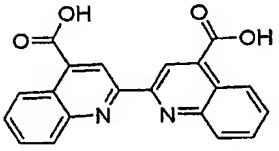

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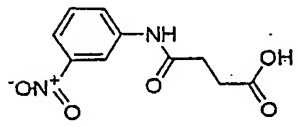

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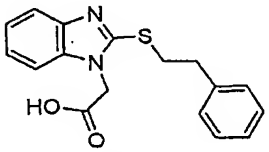

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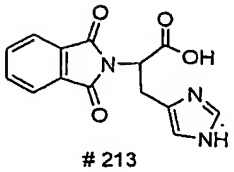

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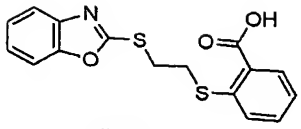

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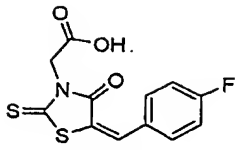

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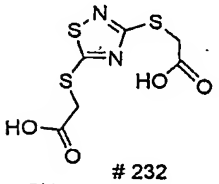

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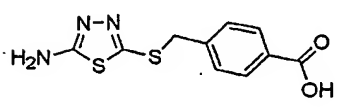

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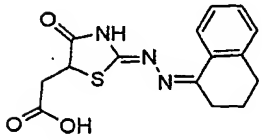

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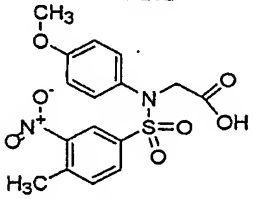

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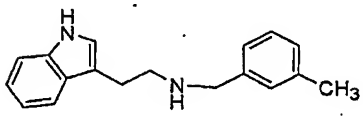

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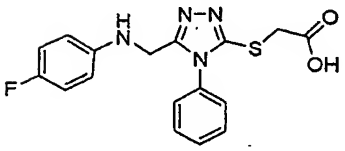

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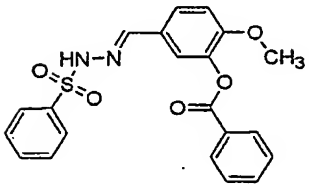

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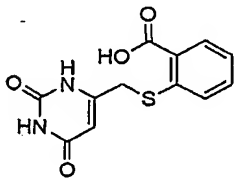

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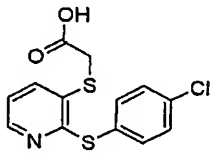

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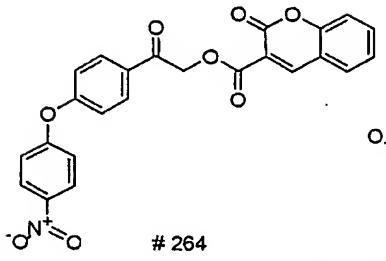

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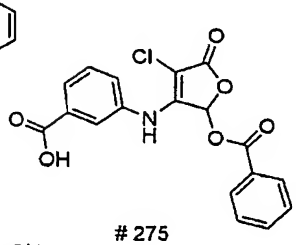

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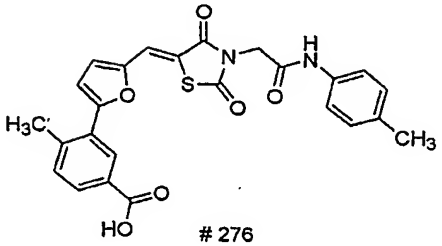

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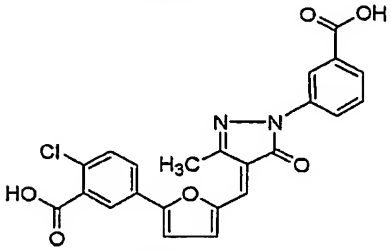

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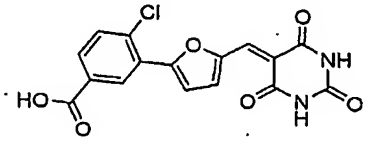

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or

15. A method of claim 12, wherein the compound 73 or 92 or a pharmaceutically acceptable salt thereof is administered.

16. A method of claim 13, wherein the compound 73 or 92 or a pharmaceutically acceptable salt thereof is administered.

17. A pharmaceutical composition according to claim14, comprising the compound 73 or 92 or a pharmaceutically acceptable salt thereof.

18. A method of claim 1, wherein the compound of formulae I to XVII has a solubility such that the ClogP value is ≤ 5, a molecular weight of ≤ 500 Daltons, and ≤ 10 hydrogen bond donors and acceptors.

19. A method of claim 2, wherein the compound of formulae I to XVII has a solubility such that the ClogP value is ≤ 5, a molecular weight of ≤ 500 Daltons, and ≤ 10 hydrogen bond donors and acceptors.

20. A pharmaceutical composition according to claim3, wherein the compound of formulae I to XVII has a solubility such that the ClogP value is ≤ 5, a molecular weight of ≤ 500 Daltons, and ≤ 10 hydrogen bond donors and acceptors.

21. A method according to claim 1 comprising administering an effective amount of a compound formulae I to IX or a pharmaceutically acceptable salt thereof.

22. A method according to claim 2 comprising administering a compound of formula I to IX or a pharmaceutically acceptable salt thereof.

23. A pharmaceutical composition according to claim 3 comprising a compound of formula I to IX or a pharmaceutically acceptable salt thereof.